Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A probe having the general structural formula (I)

5'-M-
$$(Z)_{n}$$
- X_{1} - X_{2} - ... X_{m} - $(Z)_{n}$ -M'-3'

wherein X_1 , X_2 ... and X_m are in each case an arbitrary nucleotide or nucleotide analog and in which the sequence X_1 - X_2 - ... X_m is a probe sequence which is capable of binding to an analyte,

Z is, in each case independently, a pyrimidine nucleotide or pyrimidine nucleotide analog,

M and M' are fluorescent labeling groups,

n and n' are, in each case independently, integers of from 1 to 15, and m is an integer corresponding to the length of the probe sequence.

2. (Original) The probe as claimed in claim 1, characterized in that X_1 , X_2 ... and X_m are selected, in each case independently, from units having the general structural formula (II) or salts thereof:

$$\begin{array}{c|c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & &$$

wherein

B is a natural or unnatural nucleobase,

R is a radical which is selected from H, OH, halogen, -CN, -C₁-C₆-alkyl, -C₂-C₆-alkenyl, -C₂-C₆-alkynyl, -O-C₁-C₆-alkyl, -O-C₂-C₆-alkenyl, -O-C₂-C₆-alkynyl, -SH, -S-C₁-C₆-alkyl, -NH₂, -NH(C₁-C₆-alkyl) and $-N(C_1-C_6-alkyl)_2$,

- -X is, in each case independently, a radical which is selected from -O-, -S-, -NR'- and -CR'₂-,
- -Y is, in each case independently, a radical which is selected from =O and =S, and
- -Y' is, in each case independently, a radical which is selected from -OR', SR', -(NR') $_2$ and -CH(R') $_2$,

where R' is, in each case independently, H or C_1 - C_3 -alkyl.

- 3. (Currently Amended) The probe as claimed in claim 1 or 2, characterized in that X_1 , X_2 ... and X_m are 2'-deoxynucleotides.
- (Currently Amended) The probe as claimed in one of claims 1 to 3 claim
 1,

characterized in that Z is selected from thymidine nucleotides or nucleotide analogs and/or cytidine nucleotides or nucleotide analogs.

- 5. (Currently Amended) A probe as claimed in one of claims 1 to 4 claim 1, characterized in that at least one Z is a thymidine nucleotide or nucleotide analog.
- 6. (Currently Amended) The probe as claimed in one of claims 1 to 5 claim

 1, characterized in that Z is in each case a thymidine 2'-deoxynucleotide.
- 7. (Currently Amended) The probe as claimed in one of claims 1 to 6 claim

 1, characterized in that M and M' are selected, in each case independently,
 from rhodamines, fluoresceins, oxazines, cyanines, Bodipy dyes and Alexa
 dyes.
- 8. (Currently Amended) The probe as claimed in one of claims 1 to 7 claim

 1, characterized in that M and M' are selected from green fluorescent labeling groups.
- (Currently Amended) The probe as claimed in one of claims 1 to 8 claim
 characterized in that M and M' are identical.

- 10. (Currently Amended) The probe as claimed in one of claims 1 to 8 claim
 1, characterized in that M and M' are different.
- 11. (Currently Amended) The probe as claimed in one of claims 1 to 10 claim 1, characterized in that n and n' are, in each case independently, integers of from 3 to 10.
- 12. (Currently Amended) The probe as claimed in one of claims 1 to 11 claim 1, characterized in that m is an integer of 10-90, preferably of 12-50.
- 13. (Currently Amended) The use of one or more probes as claimed in one of claims 1 to 12 claim 1 in a method for detecting an analyte in a sample.
- 14. (Original) The use as claimed in claim 13, characterized in that the concentration in the sample of the analyte to be detected is $\leq 10^{-9}$ M.
- 15. (Currently Amended) The use as claimed in claim 13 or 14, characterized in that the analyte is a nucleic acid.
- 16. (Original) The use as claimed in claim 15, characterized in that the nucleic acid to be detected is an RNA from a biological sample or an unamplified cDNA which is synthesized therefrom.

- 17. (Currently Amended) The use as claimed in claim 15-or 16, characterized in that the nucleic acid to be detected is an unamplified genomic DNA.
- 18. (Currently Amended) The use as claimed in one of claims 13 to 17 claim
 13 in fluorescence correlation spectroscopy (FCS).
- 19. (Currently Amended) The use as claimed in one of claims 13 to 18 claim

 13, characterized in that several probes in each case having a different sequence and different labeling groups are used for detecting a single analyte.
- 20. (Original) The use as claimed in claim 19, characterized in that the detection comprises a crosscorrelation determination.
- 21. (Currently Amended) A method for detecting an analyte in a sample, comprising bringing the sample into contact with one or more probes as claimed in one of claims 1 to 12 claim 1 under conditions under which the one or more probes can bind to the analyte to be detected and then determining whether binding takes place or not.

- 22. (Currently Amended) The use method as claimed in claim 21, comprising the detection of a nucleic acid by means of hybridization.
- 23. (Original) The method as claimed in claim 22, characterized in that the nucleic acid to be detected is not amplified before being brought into contact.